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thought that you might perhaps still be able to arrange for a meeting-place a year from December and that the association would do us the honor of meeting here some time later on when we have reverted to normal conditions.

#### SCIENTIFIC NOTES AND NEWS

At the Philadelphia meeting Section C will hold a session on the afternoon of Thursday, December 31, for the reading of papers, and a second session, jointly with Section K and the Society of American Bacteriologists, on Friday, January 1, at 10 A.M. The latter will be devoted to a symposium on "The Lower Organisms in Relation to Man's Welfare," for which the following program has been arranged:

"Theories of Fermentation," Vice-president C. L. Alsberg.

The general mechanism of the action of ferments:

"Enzyme Action," C. S. Hudson.

A discussion of the chemical changes involved in the action of enzymes:

"Rôle of Microorganisms in the Intestinal Canal," A. I. Kendall.

"Use of Bacteria in the Treatment of Textile Fibers," F. P. Gorham.

"Microorganisms in their Application to Agriculture," C. E. Marshall.

SECTION K (Physiology and Experimental Medicine) will hold two meetings in Philadelphia during Convocation Week.

1. Thursday, December 31, 2 P.M. Laboratory of Hygiene, University of Pennsylvania.

Vice-presidential address: Dr. Theodore Hough,

"The Classification of Nervous Reactions."

Symposium on Ventilation (jointly with the Society of American Bacteriologists):

(a) "Air-borne Diseases," Dr. A. C. Abbott, University of Pennsylvania.

(b) "Fundamental Physical Problems of Ventilation," Dr. E. B. Phelps, United States Hygienic Laboratory.

(c) "Standards of Ventilation—Hygienic and Æsthetic," Dr. C.-E. A. Winslow, New York State Commission of Ventilation.

(d) "Modern Developments in Air Conditions," Mr. D. D. Kimball, New York State Commission of Ventilation.

2. Friday, January 1, 11 A.M. Laboratory of Hygiene, University of Pennsylvania.

Symposium on the Life of the Lower Organisms in Relation to Man's Welfare (jointly with Section C and the Society of American Bacteriologists).

The program will be announced later.

THE program for Section M, Agriculture, is now complete. A single session will be held, on December 30, in the engineering building of the University of Pennsylvania, beginning at 2 P.M. The president of the association, Dr. Charles W. Eliot, will preside at the opening of the session, during the presentation of the address of the vice-president, Dr. L. H. Bailey, on "The Place of Research and of Publicity in the Forthcoming Country Life Development." A symposium will follow, on The Field of Rural Economics, participated in by the following speakers:

"Rural Economics from the Standpoint of the Farmer," Hon. Carl Vrooman, assistant secretary of agriculture.

"Credit and Agriculture," Professor G. N. Lamm, college of agriculture, Cornell University.

"Marketing and Distribution Problems," Mr. C. J. Brand, chief officer of markets, U. S. Dept. of Agriculture.

"The Distinction between Efficiency in Production and Efficiency in Bargaining," Dr. T. N. Carver, Harvard University.

A DINNER was given in Boston on December 7 to celebrate the fiftieth anniversary of the connection of Professor Robert H. Richards with the Massachusetts Institute of Technology as student and teacher. The speakers were President Richard C. Maclaurin, in behalf of the institute; Mr. Eben S. Stevens of the same graduating class with Professor Richards, '68, of Quinebaug, Conn., in behalf of his fellows at the school; Professor Chas. R. Cross, '70, in behalf of the faculty and Jasper Whiting, '89, president of the Alumni Association in behalf of his association. The presentation was made to the institute of a portrait of Professor Richards by Miss Margaret F. Richardson, of Boston. It presents him, seated, considering a question which the open letter in his hand has brought to him.

At his elbow on the table are bulky volumes typifying his contributions to the literature of mining, while the upper right-hand field of the background shows a blackboard covered with figures and diagrams bearing on ore-dressing.

At the Academy of Natural Sciences of Philadelphia on Tuesday evening, November 24, Dr. Henry Fairfield Osborn was presented with a Hayden medal. In presenting the medal Dr. Samuel G. Dixon called attention to the fact that Mrs. Emma W. Hayden, widow of the well-known scientific man, Ferdinand Venderveer Hayden, had established a deed of trust arranging for a sum of money and a bronze medal to be given annually to the author of the best publication, exploration, discovery or research in geology or paleontology, or a similar subject. Professor James Hall, of Albany, received the award in the first instance and the other nine succeeding him were Edward D. Cope, 1891; Edward Suess, 1892; Thomas H. Huxley, 1893; Gabriel August Daubree, 1894; Carl H. Von Littel, 1895; Giovanni Capellini, 1896; Alexander Petrovitz Karpinski, 1897; Otto Torell, 1898; Giles Joseph Gustav Dewalze, 1899. In 1900 the deed of trust was modified so as to award a gold medal every three years. The first to receive the new medal was Sir Archibald Geikie; the second was Dr. Charles D. Walcott in 1908 and the third John Casper Branner in 1911.

PROFESSOR WILLIAM T. SEDGWICK, of the Massachusetts Institute of Technology, was elected president of the Massachusetts Public Health Association at its recent meeting at Jacksonville, Florida.

PROFESSOR GEORGE CHANDLER WHIPPLE, Professor W. T. Sedgwick, Dr. Milton J. Rosenau, Dr. William J. Gallivan, Dr. David L. Edsall and Dr. Joseph E. Lamoreaux, have been appointed the six members of the advisory council to Massachusetts' state commissioner of health, Dr. Allan J. McLaughlin.

DR. RICHARD P. STRONG, of the department of tropical medicine in the Harvard Medical School, has been appointed director of the

laboratories of the hospitals and of research work of the United Fruit Co. The significance of the appointment is suggested in a letter from the Fruit Company to the University:

Through a desire to cooperate with Harvard University in its investigation of tropical diseases we have properly equipped our hospitals with laboratories and have ample material constantly available in our wards, which we desire to place at your disposal for research in connection with the prescribed study of tropical diseases embodied in your tropical school.

THE Paris Academy of Medicine elected, on November 10, as national associate, Dr. Langlet, professor and director of the Ecole de médecine de Reims and mayor of that city.

THE grand cross of the Order of Alfonso XII. has been presented to the professor of pharmacy at the University of Madrid, Dr. J. R. Carracido, who is also a senator, and the Isabella cross to Dr. S. Recasens, professor of gynecology at the same institution.

A PRESS cablegram from Berne states that M. Hugo Claparède, professor of psychology in the University of Geneva, son of the Swiss minister to Berlin, has been dismissed from the university by the Swiss federal council on the ground that his expressed views concerning the violation of Belgian neutrality are inconsistent with the observance of neutrality of Switzerland. Professor Claparède had offered his resignation, following a demonstration against him by the students, but the federal council declined to accept it and instead dismissed him. The students' demonstration occurred on November 24 as Professor Claparède entered his classroom and read an address in which they asked him to resign, because "your attitude prohibits you to continue to occupy a public post remunerated by the state." Later the matter was brought up in the federal council through an interpellation by Deputy de Rabours.

MR. DAVID T. DAY has resigned from the United States Geological Survey to enter private practise. He has served the federal bureau since 1886, having been chief of the

division of mining and mineral resources until 1907.

PROFESSOR EUGEN OBERHUMMER, of the University of Vienna, who has been appointed visiting Austrian professor to Columbia University, is expected to lecture during the second semester of the present year. Dr. Oberhummer visited the United States in 1910 and lectured in the geography departments at Harvard, Yale, Columbia, Johns Hopkins, Chicago, Wisconsin and other American universities.

PROFESSOR GEORGE R. LYMAN, of the biology department, has resigned from the faculty of Dartmouth College, to accept a position as plant pathologist in the Department of Agriculture.

MR. F. E. WATSON has been appointed an assistant in the department of invertebrate zoology of the American Museum of Natural History. He will devote the greater portion of his time to Lepidoptera. Mr. Adolph Elwyn, who for the past nine years has been assistant in the department of anatomy and physiology, has resigned his position to become instructor in histology and biology at the Long Island College Hospital. Mr. Clarence R. Halter has been appointed to succeed Mr. Elwyn.

PROFESSOR WILLIAM L. BRAY, of Syracuse University, has been granted leave of absence for the current year and will spend the winter with his family in the Bronx, New York. During the summer and early fall, Professor Bray has been making a general survey of the vegetation of New York state with a view to the preparation of a bulletin to be published by the New York State College of Forestry. The results of the field exploration and collections will be worked up at the New York Botanical Garden during the winter.

MR. WILLIAM B. PETERS, of the department of preparation of the American Museum of Natural History, and Mr. Prentice B. Hill, assistant in the department of geology, have returned from Weyer's Cave, Virginia, where they secured a quantity of material from

grottoes which have lately been discovered in the cave. This is to be used, together with the collection made last year, in the reproduction of a typical grotto in the museum, work on which is progressing.

DR. ARTHUR G. WEBSTER, of Clark University, addressed the Chicago Chapter of the Sigma Xi at its regular autumn quarter meeting on December 5, upon the topic "The Rôle of Chance in Scientific Discovery."

THE Mütter Lecture on Surgical Pathology for 1914 was given in the Thompson Hall of the College of Physicians of Philadelphia, on December 4, by Dr. Fred H. Albee, of New York City, on "The Fundamental Principles Involved in the Use of Bone Grafts in Surgery."

THE will of the late Dr. Charles Sedgwick Minot, Stillman professor of comparative anatomy at the Harvard Medical School, contains a bequest of \$1,000 for the improvement and increase of the embryological collection which he established at the Harvard Medical School, to which he left his scientific apparatus, books and pamphlets. Dr. Minot also bequeathed \$2,000 to the Boston Museum of Natural History for its library.

DR. ALBERT CHARLES PEALE, geologist of the U. S. Geological Survey from 1871 to 1898, subsequently and till recently aid in the section of paleontology of the U. S. National Museum, died on December 6, aged sixty-five years.

PROFESSOR ANGELO CELLI, who held the chair of hygiene at the University of Rome and was at the same time chief of the National Board of Health and senator, has died at the age of fifty-seven years.

DR. ALEXANDER CAMPBELL FRASER, professor emeritus of logic and metaphysics in Edinburgh University, a distinguished writer on philosophical subjects, has died at the age of ninety-five years.

NILS CHRISTOFFER DUNÈR, formerly director of the observatory at Upsala, Sweden, died on November 10, in his eightieth year.

THERE have been killed in the war, Peod-waair Frick, director of the Royal School of Forestry at Münden, and Dr. Heinz Michaelson, assistant in the Institute for Oceanography in Berlin.

THE directors of the Fenger Memorial Fund announce that the sum of \$600 has been set aside for medical investigation in 1915. The money will be used to pay all or part of the salary of a worker, the work to be done under direction in an established institution, which will furnish the necessary facilities and supplies free of cost. It is desirable that the work undertaken should have a direct clinical bearing. Applications giving full particulars should be sent to L. Hektoen, 629 S. Wood St., Chicago, before January 15, 1915.

IN the will of the late Miss Dessie Greer, an annual member of the American Museum of Natural History, the museum is designated as the ultimate beneficiary of a fund of \$90,000.

BY the will of the late William Endicott, of Boston, a bequest of \$25,000 for cancer research is made to Harvard University.

THE American Museum of Natural History has received from Messrs. M. Guggenheim and Sons the gift of a small collection of prehistoric objects found in a copper mine at Chuquicamata, Chile. The collection consists for the most part of hafted stone hammers and wooden scrapers. These were the implements used by the Indians in pre-Spanish days in collecting the copper (atacamite) with which they made knives and other implements.

IN the New York City building at the Panama-Pacific Exposition, the gardens, libraries and museums of New York will have a booth some twenty-four feet long at the left of the entrance, with interior and exterior wall space for the display of photographs. Each institution of the city has been allotted approximately ninety square feet of surface.

AT a meeting of members of the Lister Institute, London, under the presidency of Sir Henry Roscoe, held on November 18, a proposal to authorize the governing body to effect an amalgamation with the Committee

for Medical Research, established under the National Health Insurance Act, 1911, with clauses provisionally agreed to by the treasury was rejected.

AT the recent meeting of the National Association of State Universities, in Washington, there were five municipal universities, institutions directly controlled and supported by cities, represented. President Charles William Dabney made the opening address on "The Municipal University." At the close of the meeting President Wheeler, of the University of California, addressed representatives of urban universities on the importance of their service to American institutions. An association to be called the Association of Urban Universities was then founded and all institutions cooperating with cities and training for public service were invited to become members. The purposes of the association were announced to be the study of the problem of the city in its broadest sense, and the training of men and women to serve the state. Dr. Dabney, of the University of Cincinnati, was elected president; Dean Everett W. Lord, of Boston University, vice-president, and Dr. Walter E. Clark, of the College of the City of New York, secretary.

THE twenty-seventh annual meeting of the American Economic Association will be held at Princeton, N. J., from December 28 to 31. The American Statistical Association and the American Sociological Society will hold their annual meetings at the same time and place. Several joint sessions will be held. The first session is to be a joint meeting addressed by the presidents of the three associations—Messrs. John H. Gray, John Koren and Edward A. Ross. The morning session on December 29 is to be on "Speculation on Stock Exchanges and Public Regulation of the Exchanges." Papers will be presented by Messrs. Samuel Untermyer and Henry C. Emery. The afternoon session on December 29 will be on "Market Distribution." The morning session on December 30 will be a joint meeting with the American Statistical Association to discuss "The Statistical Work of the United States Government"; the after-

noon session will be devoted to "The Relation of Education to Industrial Efficiency" and "The Effect of Inheritance and Income Taxes on the Distribution of Wealth." The concluding session on December 31 will be a joint meeting with the American Sociological Society on "The Public Regulation of Wages."

At a meeting of Yale University men interested in engineering at the Yale Club, on December 4, a constitution was adopted forming a Yale Engineering Association. Discussion of this project has been under way for a year, and a committee, consisting of E. G. Williams, '87S.; Calvert Townley, '86S.; Bradley Stoughton, '93S.; W. C. Tucker, '88S., and Professor L. P. Breckenridge, '81S., of the Scientific School, has been at work drawing up the organization papers. The main purpose of the association will be "to advance the interests of engineering education at Yale and to promote the better acquaintance and fellowship of Yale engineers."

THE *Bulletin* of the American Geographical Society states that for two years past the Department of Historical Research at the Carnegie Institution has given a considerable amount of time to planning an atlas of the historical geography of the United States and collecting materials for its construction. Several specialists, including Professor Frank H. Hodder, of the University of Kansas; Professor O. G. Libby, of the University of North Dakota; Professor Max Farrand, of Yale University, and Professor Jesse S. Reeves, of the University of Michigan, each proficient in one or more subjects to be covered by the atlas, have been called to Washington to conduct investigations for the proposed work. The department of historical research wishes to make the atlas of the greatest possible use to the teachers and writers of American history and is seeking all the helpful cooperation that can be secured. According to present plans the completed atlas, exclusive of text, will contain 200 pages measuring about 22 by 14 inches. The largest maps will be approximately full-page maps, many others will be about one fourth that size and many still smaller. The area covered will be generally

the whole or a part of continental United States. It may occasionally be found desirable, however, to represent our detached possessions, adjacent parts of Canada and Mexico, the West Indies and parts of the north Atlantic and north Pacific oceans. Excepting maps illustrating the geology of the country and its early aborigines, all the maps will fall within the period from the discovery of America in 1492 to the present time. The general headings are expected to include physical geography, aborigines, early maps of America, routes of explorers and colonizers, boundaries and divisions, industrial and social maps, and political, city and military maps. A considerable portion of the atlas will be devoted to political statistics, which will be treated somewhat after the method of Professor Turner and his students. It is to be hoped that the specialists in charge will have all the collaboration that can add to the value of the proposed atlas.

A CONFERENCE of Pacific coast horticulturists was called by Governor West, of Oregon, to meet at the Agricultural College early in December to secure better and uniform fruit inspection throughout the western fruit-growing states. After hearing reports and recommendations from the horticultural commissioners of Oregon, California and Washington, a joint committee of producers and distributors was appointed to prepare a bill embodying the features endorsed by the conference, to be presented to the state legislatures with the recommendation that it be enacted into law. The joint committee called in as advisory members Professor H. F. Wilson and Professor H. S. Jackson, entomologist and plant pathologist, respectively, of the Oregon Station. The measure as framed by the committee provides effective inspection both within the states and from other states, with as little restriction as is consistent with efficiency. The ultimate aim of the conference is to secure uniform horticultural laws throughout the entire country.

#### UNIVERSITY AND EDUCATIONAL NEWS

Two gifts of \$100,000 each for the development of a graduate course in preparation for